

# Harold 'Hal' Forbis

## Computer Science + Math Student

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### SKILLS

Strong communication and collaboration skills demonstrated through teamwork in academic projects. Proficient in Java, Python, C++, C#, C, with hands-on experience in full-stack and mobile app development using PHP, Razor, and Blazor, and Kotlin. Has experience with AI/ML techniques, statistics, and both theoretical and applied mathematics. Highly motivated to learn new technologies and expand technical knowledge.

### EXPERIENCE

#### **TML-EC Lab, University of Louisiana at Lafayette - REU Machine Learning Intern**

June 2025 – July 2025

- Selected for a Research Experiences for Undergraduates (REU)
- Developed data preprocessing pipelines and LLM-assisted tools for species data extraction from scientific literature
- Collaborated on development of the Respirapption application, an ML-powered application that alerts users of potential respiratory issues using computer vision
- Contributed to ongoing research on AI-driven analysis of marine and ecological data

### EDUCATION

#### **University of Louisiana at Lafayette, Lafayette LA - Bachelor's in Computer Science**

Expected Graduation: May 2027

Transitioned from microbiology to Computer Science and Mathematics, gaining proficiency in Python, Java, C++, C#, C, SQL, and PHP, as well as various mathematical disciplines. Refined communication and public speaking abilities through group projects and presentations. Current GPA: 3.93/4.00.

#### **South Louisiana Community College, Lafayette LA - General Studies**

August 2018 - December 2021

Focused on biology, including microbiology techniques and procedures. Graduated with a 3.93/4.00 GPA and made the Dean's List every semester.